

Re Box V

Reasoned statement with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following documents:

D1: US 2002/136025 A1 (ZHANG LONG BAO) 26 September 2002
(2002-09-26)

D2: EP 1 357 335 A (NICHIA CORPORATION) 29 October 2003
(2003-10-29)

D3: WO 01/59359 A (ZUMTOBEL STAFF GMBH; KELLER, KATHARINA)
16 August 2001 (2001-08-16)

D4: US 2003/067784 A1 (ERBER ANDREAS) 10 April 2003 (2003-04-10)

2. INDEPENDENT CLAIM 1

2.1. The present application does not meet the requirements of PCT Article 33(1) because the subject matter of claim 1 is not novel within the meaning of PCT Article 33(2). Document D1 discloses (the references between parentheses relate to said document):

A lamp (10), comprising at least one base [implicit feature] for connection to a luminaire, having a curved, in particular parabolic, essentially rotationally symmetrical reflector (11), a light source (20) being arranged in the focal point or focal point region of said reflector (11) for the purpose of producing a directional, for example narrowly emitting light distribution of the lamp (10), the reflector having a reflector opening, which provides a light exit plane of the lamp (10) [see figure 2], [in which] the light source is formed by at least one LED (21) and is arranged spaced apart from the inside of the reflector (11), and [in which] at least one functional

element of the LED, in particular at least one voltage supply line (311, 312) [see section 33] of the LED and/or at least one heat sink (311, 312) [see section 35] for the LED, at least partially extends essentially along the light exit plane or is arranged at least partially on that side of the light exit plane which faces away from the reflector (11).

It will be pointed out that documents D2-D4 also each disclose a lamp having all the technical features of claim 1.

3. DEPENDENT CLAIMS 2-9, 12-21

Claims 2-9, 12-21 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty and inventive step. The reasons are as follows:

3.1. Claims 2-4

See D1, figure 2 and D3, figure 3a.

3.2. Claim 5

Dependent claim 5 concerns only a minor structural modification to the lamps illustrated in D1, figures 1, 5, 7 of the kind that a person skilled in the art routinely makes on the basis of familiar considerations, especially since the resulting advantages are readily foreseeable. Accordingly, the subject matter of claim 5 does not involve an inventive step.

3.3. Claims 6, 7

See D1, figure 5 or figures 2 and 3.

3.4. Claims 8, 9

See D2, figure 19, reference numeral 196.

3.5. Claim 12

See D1, figure 1, reference numerals 311 and 312.

3.6. Claims 13-21

See D1, figure 1; for claims 13-17, see also D3, figures 1-3a.

4. DEPENDENT CLAIMS 10, 11

The combination of features contained in the dependent claims is neither known from the available prior art nor is it suggested by it.